SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.
BANDMAN, Olga
HILLMAN, Jennifer L.
TANG, Y. Tom
LAL, Preeti
YUE, Henry
BAUGHN, Mariah R.
LU, Dyung Aina M.
AZIMZAI, Yalda

<120> EXTRACELLULAR MATRIX AND ADHESION-ASSOCIATED PROTEINS

<130> PF-0693 PCT

<140> To Be Assigned
<141> Herewith

<150> 60/133,643; 60/150,409
<151> 1999-05-11; 1999-08-23

<160> 50
<170> PERL Program

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<220>
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Ala	Glu	Trp	Leu	Leu	Ala	Val	Arg	Ser	Ile	Gln	Pro	Glu	Glu	Lys	
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Glu	Arg	Ile	Gly	Gln	Phe	Val	Phe	Ala	Arg	Asp	Ala	Lys	Ala	Ala	
			50					55						60	
Met	Ala	Gly	Arg	Leu	Met	Ile	Arg	Lys	Leu	Val	Ala	Glu	Lys	Leu	
			65					70						75	
Asn	Ile	Pro	Trp	Asn	His	Ile	Arg	Leu	Gln	Arg	Thr	Ala	Lys	Gly	
			80					85						90	
Lys	Pro	Val	Leu	Ala	Lys	Asp	Ser	Ser	Asn	Pro	Tyr	Pro	Asn	Phe	
			95					100						105	
Asn	Phe	Asn	Ile	Ser	His	Gln	Gly	Asp	Tyr	Ala	Val	Leu	Ala	Ala	
			110					115						120	
Glu	Pro	Glu	Leu	Gln	Val	Gly	Ile	Asp	Ile	Met	Lys	Thr	Ser	Phe	
			125					130						135	
Pro	Gly	Arg	Gly	Ser	Ile	Pro	Glu	Phe	Phe	His	Ile	Met	Lys	Arg	
			140					145						150	
Lys	Phe	Thr	Asn	Lys	Glu	Trp	Glu	Thr	Ile	Arg	Ser	Phe	Lys	Asp	
			155					160						165	
Glu	Trp	Thr	Gln	Leu	Asp	Met	Phe	Tyr	Arg	Asn	Trp	Ala	Leu	Lys	
			170					175						180	
Glu	Ser	Phe	Ile	Lys	Ala	Ile	Gly	Val	Gly	Leu	Gly	Phe	Glu	Leu	
			185					190						195	
Gln	Arg	Leu	Glu	Phe	Asp	Leu	Ser	Pro	Leu	Asn	Leu	Asp	Ile	Gly	
			200					205						210	
Gln	Val	Tyr	Lys	Glu	Thr	Arg	Leu	Phe	Leu	Asp	Gly	Glu	Glu	Glu	
			215					220						225	
Lys	Glu	Trp	Ala	Phe	Glu	Glu	Ser	Lys	Ile	Asp	Glu	His	His	Phe	

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Val Ala Val Ala Leu Arg Lys Pro Asp Gly Ser Arg His Gln Asp
                245                 250                 255
Val Pro Ser Gln Asp Asp Ser Lys Pro Thr Gln Arg Gln Phe Thr
                260                 265                 270
Ile Leu Asn Phe Asn Asp Leu Met Ser Ser Ala Val Pro Met Thr
                275                 280                 285
Pro Glu Asp Pro Ser Phe Trp Asp Cys Phe Cys Phe Thr Glu Glu
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Ile Pro Ile Arg Asn Gly Thr Lys Ser
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                 20                  25                  30
Leu Leu Ala Ser Ala Arg Gln Pro Gly Val Cys His Tyr Gly Thr
                 35                  40                  45
Lys Leu Ala Cys Cys Tyr Gly Trp Arg Arg Asn Ser Lys Gly Val
                 50                  55                  60
Cys Glu Ala Thr Cys Glu Pro Gly Cys Lys Phe Gly Glu Cys Val
                 65                  70                  75
Gly Pro Asn Lys Cys Arg Cys Phe Pro Gly Tyr Thr Gly Lys Thr
                 80                  85                  90
Cys Ser Gln Asp Val Asn Glu Cys Gly Met Lys Pro Arg Pro Cys
                 95                 100                 105
Gln His Arg Cys Val Asn Thr His Gly Ser Tyr Lys Cys Phe Cys
                110                 115                 120
Leu Ser Gly His Met Leu Met Pro Asp Ala Thr Cys Val Asn Ser
                125                 130                 135
Arg Thr Cys Ala Met Ile Asn Cys Gln Tyr Ser Cys Glu Asp Thr
                140                 145                 150
Glu Glu Gly Pro Gln Cys Leu Cys Pro Ser Ser Gly Leu Arg Leu
                155                 160                 165
Ala Pro Asn Gly Arg Asp Cys Leu Asp Ile Asp Glu Cys Ala Ser
                170                 175                 180
Gly Lys Val Ile Cys Pro Tyr Asn Arg Arg Cys Val Asn Thr Phe
                185                 190                 195
Gly Ser Tyr Tyr Cys Lys Cys His Ile Gly Phe Glu Leu Gln Tyr
                200                 205                 210
Ile Ser Gly Arg Tyr Asp Cys Ile Asp Ile Asn Glu Cys Thr Met
                215                 220                 225
Asp Ser His Thr Cys Ser His His Ala Asn Cys Phe Asn Thr Gln
                230                 235                 240
Gly Ser Phe Lys Cys Lys Cys Lys Gln Gly Tyr Lys Gly Asn Gly
                245                 250                 255
Leu Arg Cys Ser Ala Ile Pro Glu Asn Ser Val Lys Glu Val Leu
                260                 265                 270
Arg Ala Pro Gly Thr Ile Lys Asp Arg Ile Lys Lys Leu Leu Ala
                275                 280                 285
His Lys Asn Ser Met Lys Lys Lys Ala Lys Ile Lys Asn Val Thr
                290                 295                 300
Pro Glu Pro Thr Arg Thr Pro Thr Pro Lys Val Asn Leu Gln Pro
                305                 310                 315
Phe Asn Tyr Glu Glu Ile Val Ser Arg Gly Gly Asn Ser His Gly
                320                 325                 330
Gly Lys Lys Gly Asn Glu Glu Lys Met Lys Glu Gly Leu Glu Asp
                335                 340                 345
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Glu Lys Arg Glu Glu Lys Ala Leu Lys Asn Asp Ile Glu Glu Arg
                350                 355                 360
Ser Leu Arg Gly Asp Val Phe Phe Pro Lys Val Asn Glu Ala Gly
                365                 370                 375
Glu Phe Gly Leu Ile Leu Val Gln Arg Lys Ala Leu Thr Ser Lys
                380                 385                 390
Leu Glu His Lys Ala Asp Leu Asn Ile Ser Val Asp Cys Ser Phe
                395                 400                 405
Asn His Gly Ile Cys Asp Trp Lys Gln Asp Arg Glu Asp Asp Phe
                410                 415                 420
Asp Trp Asn Pro Ala Asp Arg Asp Asn Ala Ile Gly Phe Tyr Met
                425                 430                 435
Ala Val Pro Ala Leu Ala Gly His Lys Lys Asp Ile Gly Arg Leu
                440                 445                 450
Lys Leu Leu Leu Pro Asp Leu Gln Pro Gln Ser Asn Phe Cys Leu
                455                 460                 465
Leu Phe Asp Tyr Arg Leu Ala Gly Asp Lys Val Gly Lys Leu Arg
                470                 475                 480
Val Phe Val Lys Asn Ser Asn Asn Ala Leu Ala Trp Glu Lys Thr
                485                 490                 495
Thr Ser Glu Asp Glu Lys Trp Lys Thr Gly Lys Ile Gln Leu Tyr
                500                 505                 510
Gln Gly Thr Asp Ala Thr Lys Ser Ile Ile Phe Glu Ala Glu Arg
                515                 520                 525
Gly Lys Gly Lys Thr Gly Glu Ile Ala Val Asp Gly Val Leu Leu
                530                 535                 540
Val Ser Gly Leu Cys Pro Asp Ser Leu Leu Ser Val Asp Asp
                545                 550
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<213> Homo sapiens

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Trp Glu Val Gly Val Ser Gly Ser Ser Ala Gly Pro Ser Thr Arg
                20                  25                  30
Arg Ala Asp Thr Ala Met Thr Thr Asp Asp Thr Glu Val Pro Ala
                35                  40                  45
Met Thr Leu Ala Pro Gly His Ala Ala Leu Glu Thr Gln Thr Leu
                50                  55                  60
Ser Ala Glu Thr Ser Ser Arg Ala Ser Thr Pro Ala Gly Pro Ile
                65                  70                  75
Pro Glu Ala Glu Thr Arg Gly Ala Lys Arg Ile Ser Pro Ala Arg
                80                  85                  90
Glu Thr Arg Ser Phe Thr Lys Thr Ser Pro Asn Phe Met Val Leu
                95                 100                 105
Ile Ala Thr Ser Val Glu Thr Ser Ala Ala Ser Gly Ser Pro Glu
                110                 115                 120
Gly Ala Gly Met Thr Thr Val Gln Thr Ile Thr Gly Ser Asp Pro
                125                 130                 135
Glu Glu Ala Ile Phe Asp Thr Leu Cys Thr Asp Asp Ser Ser Glu
                140                 145                 150
Glu Ala Lys Thr Leu Thr Met Asp Ile Leu Thr Leu Ala His Thr
                155                 160                 165
Ser Thr Glu Ala Lys Gly Leu Ser Ser Glu Ser Ser Ala Ser Ser
                170                 175                 180
Asp Gly Pro His Pro Val Ile Thr Pro Ser Arg Ala Ser Glu Ser
                185                 190                 195
Ser Ala Ser Ser Asp Gly Pro His Pro Val Ile Thr Pro Ser Arg
                200                 205                 210
Ala Ser Glu Ser Ser Ala Ser Ser Asp Gly Pro His Pro Val Ile
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                215                 220                 225
Thr Pro Ser Trp Ser Pro Gly Ser Asp Val Thr Leu Leu Ala Glu
                230                 235                 240
Ala Leu Val Thr Val Thr Asn Ile Glu Val Ile Asn Cys Ser Ile
                245                 250                 255
Thr Glu Ile Glu Thr Thr Thr Ser Ser Ile Pro Gly Ala Ser Asp
                260                 265                 270
Ile Asp Leu Ile Pro Thr Glu Gly Val Lys Ala Ser Ser Thr Ser
                275                 280                 285
Asp Pro Pro Ala Leu Pro Asp Ser Thr Glu Ala Lys Pro His Ile
                290                 295                 300
Thr Glu Val Thr Ala Ser Ala Glu Thr Leu Ser Thr Ala Gly Thr
                305                 310                 315
Thr Glu Ser Ala Ala Pro His Ala Thr Val Gly Thr Pro Leu Pro
                320                 325                 330
Thr Asn Ser Ala Thr Glu Arg Glu Val Thr Ala Pro Gly Ala Thr
                335                 340                 345
Thr Leu Ser Gly Ala Leu Val Thr Val Ser Arg Asn Pro Leu Glu
                350                 355                 360
Glu Thr Ser Ala Leu Ser Val Glu Thr Pro Ser Tyr Val Lys Val
                365                 370                 375
Ser Gly Ala Ala Pro Val Ser Ile Glu Ala Gly Ser Ala Val Gly
                380                 385                 390
Lys Thr Thr Ser Phe Ala Gly Ser Ser Ala Ser Ser Tyr Ser Pro
                395                 400                 405
Ser Glu Ala Ala Leu Lys Asn Phe Thr Pro Ser Glu Thr Pro Thr
                410                 415                 420
Met Asp Ile Ala Thr Lys Gly Pro Phe Pro Thr Ser Arg Asp Pro
                425                 430                 435
Leu Pro Ser Val Pro Pro Thr Thr Thr Asn Ser Ser Arg Gly Thr
                440                 445                 450
Asn Ser Thr Leu Ala Lys Ile Thr Thr Ser Ala Lys Thr Thr Met
                455                 460                 465
Lys Pro Gln Gln Pro Arg Pro Arg Leu Pro Gly Arg Gly Arg Pro
                470                 475                 480
Gln Thr
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<210> 4
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<212> PRT
<213> Homo sapiens

<220>
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Leu Pro Tyr Ala Leu His Lys Trp Ser Ser Phe Ser Ser Thr Tyr
                 20                  25                  30
Leu Pro Glu Asn Ile Leu Val Asp Lys Pro Asn Asp Gln Ser Ser
                 35                  40                  45
Arg Trp Ser Ser Glu Ser Asn Tyr Pro Pro Gln Tyr Leu Ile Leu
                 50                  55                  60
Lys Leu Glu Arg Pro Ala Ile Val Gln Asn Ile Thr Phe Gly Lys
                 65                  70                  75
Tyr Glu Lys Thr His Val Cys Asn Leu Lys Lys Phe Lys Val Phe
                 80                  85                  90
Gly Gly Met Asn Glu Glu Asn Met Thr Glu Leu Leu Ser Ser Gly
                 95                 100                 105
Leu Lys Asn Asp Tyr Asn Lys Glu Thr Phe Thr Leu Lys His Lys
                110                 115                 120
Ile Asp Glu Gln Met Phe Pro Cys Arg Phe Ile Lys Ile Val Pro
                125                 130                 135
Leu Leu Ser Trp Gly Pro Ser Phe Asn Phe Ser Ile Trp Tyr Val
                140                 145                 150
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Glu Leu Ser Gly Ile Asp Asp Pro Asp Ile Val Gln Pro Cys Leu
                155                 160                 165
Asn Trp Tyr Ser Lys Tyr Arg Glu Gln Glu Ala Ile Arg Leu Cys
            170                 175                 180
Leu Lys His Phe Arg Gln His Asn Tyr Thr Glu Ala Phe Glu Ser
        185                 190                 195
Leu Gln Lys Lys Thr Lys Ile Ala Leu Glu His Pro Met Leu Thr
    200                 205                 210
Asp Ile His Asp Lys Leu Val Leu Lys Gly Asp Phe Asp Ala Cys
215                 220                 225
Glu Glu Leu Ile Glu Lys Ala Val Asn Asp Gly Leu Phe Asn Gln
            230                 235                 240
Tyr Ile Ser Gln Gln Glu Tyr Lys Pro Arg Trp Ser Gln Ile Ile
        245                 250                 255
Pro Lys Ser Thr Lys Gly Asp Gly Glu Asp Asn Arg Pro Gly Met
    260                 265                 270
Arg Gly Gly His Gln Met Val Ile Asp Val Gln Thr Glu Thr Val
275                 280                 285
Tyr Leu Phe Gly Gly Trp Asp Gly Thr Gln Asp Leu Ala Asp Phe
            290                 295                 300
Trp Ala Tyr Ser Val Lys Glu Asn Gln Trp Thr Cys Ile Ser Arg
        305                 310                 315
Asp Thr Glu Lys Glu Asn Gly Pro Ser Ala Arg Ser Cys His Lys
    320                 325                 330
Met Cys Ile Asp Ile Gln Arg Arg Gln Ile Tyr Thr Leu Gly Arg
335                 340                 345
Tyr Leu Asp Ser Ser Val Arg Asn Ser Lys Ser Leu Lys Ser Asp
            350                 355                 360
Phe Tyr Arg Tyr Asp Ile Asp Thr Asn Thr Trp Met Leu Leu Ser
        365                 370                 375
Glu Asp Thr Ala Ala Asp Gly Gly Pro Lys Leu Val Phe Asp His
    380                 385                 390
Gln Met Cys Met Asp Ser Glu Lys His Met Ile Tyr Thr Phe Gly
395                 400                 405
Gly Arg Ile Leu Thr Cys Asn Gly Ser Val Asp Asp Ser Arg Ala
            410                 415                 420
Ser Glu Pro Gln Phe Ser Gly Leu Phe Ala Phe Asn Cys Gln Cys
        425                 430                 435
Gln Thr Trp Lys Leu Leu Arg Glu Asp Ser Cys Asn Ala Gly Pro
    440                 445                 450
Glu Asp Ile Gln Ser Arg Ile Gly His Cys Met Leu Phe His Ser
455                 460                 465
Lys Asn Arg Cys Leu Tyr Val Phe Gly Gly Gln Arg Ser Lys Thr
            470                 475                 480
Tyr Leu Asn Asp Phe Phe Ser Tyr Asp Val Asp Ser Asp His Val
        485                 490                 495
Asp Ile Ile Ser Asp Gly Thr Lys Lys Asp Ser Gly Met Val Pro
    500                 505                 510
Met Thr Gly Phe Thr Gln Arg Ala Thr Ile Asp Pro Glu Leu Asn
515                 520                 525
Glu Ile His Val Leu Ser Gly Leu Ser Lys Asp Lys Glu Lys Arg
            530                 535                 540
Glu Glu Asn Val Arg Asn Ser Phe Trp Ile Tyr Asp Ile Val Arg
545                 550                 555
Asn Ser Trp Ser Cys Val Tyr Lys Asn Asp Gln Ala Ala Lys Asp
            560                 565                 570
Asn Pro Thr Lys Ser Leu Gln Glu Glu Glu Pro Cys Pro Arg Phe
        575                 580                 585
Ala His Gln Leu Val Tyr Asp Glu Leu His Lys Val His Tyr Leu
    590                 595                 600
Phe Gly Gly Asn Pro Gly Lys Ser Cys Ser Pro Lys Met Arg Leu
605                 610                 615
Asp Asp Phe Trp Ser Leu Lys Leu Cys Arg Pro Ser Lys Asp Tyr
            620                 625                 630
Leu Leu Arg His Cys Lys Tyr Leu Ile Arg Lys His Arg Phe Glu
635                 640                 645
Glu Lys Ala Gln Val Asp Pro Leu Ser Ala Leu Lys Tyr Leu Gln
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650 655 660
Asn Asp Leu Tyr Ile Thr Val Asp His Ser Asp Pro Glu Glu Thr
665 670 675
Lys Glu Phe Gln Leu Leu Ala Ser Ala Leu Phe Lys Ser Gly Ser
680 685 690
Asp Phe Thr Ala Leu Gly Phe Ser Asp Val Asp His Thr Tyr Ala
695 700 705
Gln Arg Thr Gln Leu Phe Asp Thr Leu Val Asn Phe Phe Pro Asp
710 715 720
Ser Met Thr Pro Pro Lys Gly Asn Leu Val Asp Leu Ile Thr Leu
725 730 735

<210> 5
<211> 424
<212> PRT
<213> Homo sapiens

<220>
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20 25 30
Asp Gly His Arg Leu Cys Gly Asp Leu Val Ser Cys Phe Gln Glu
35 40 45
Arg Ala Arg Ile Glu Lys Ala Tyr Ala Gln Gln Leu Ala Asp Trp
50 55 60
Ala Arg Lys Trp Arg Gly Thr Val Glu Lys Gly Pro Gln Tyr Gly
65 70 75
Thr Leu Glu Lys Ala Trp His Ala Phe Phe Thr Ala Ala Glu Arg
80 85 90
Leu Ser Ala Leu His Leu Glu Val Arg Glu Lys Leu Gln Gly Gln
95 100 105
Asp Ser Glu Arg Val Arg Ala Trp Gln Arg Gly Ala Phe His Arg
110 115 120
Pro Val Leu Gly Gly Phe Arg Glu Ser Arg Ala Ala Glu Asp Gly
125 130 135
Phe Arg Lys Ala Gln Lys Pro Trp Leu Lys Arg Leu Lys Glu Val
140 145 150
Glu Ala Ser Lys Lys Ser Tyr His Ala Ala Arg Lys Asp Glu Lys
155 160 165
Thr Ala Gln Thr Arg Glu Ser His Ala Lys Ala Asp Ser Ala Val
170 175 180
Ser Gln Glu Gln Leu Arg Lys Leu Gln Glu Arg Val Glu Arg Cys
185 190 195
Ala Lys Glu Ala Glu Lys Thr Lys Ala Gln Tyr Glu Gln Thr Leu
200 205 210
Ala Glu Leu His Arg Tyr Thr Pro Arg Tyr Met Glu Asp Met Glu
215 220 225
Gln Ala Phe Glu Thr Cys Gln Ala Ala Glu Arg Gln Arg Leu Leu
230 235 240
Phe Phe Lys Asp Met Leu Leu Thr Leu His Gln His Leu Asp Leu
245 250 255
Ser Ser Ser Glu Lys Phe His Glu Leu His Arg Asp Leu His Gln
260 265 270
Gly Ile Glu Ala Ala Ser Asp Glu Glu Asp Leu Arg Trp Trp Arg
275 280 285
Ser Thr His Gly Pro Gly Met Ala Met Asn Trp Pro Gln Phe Glu
290 295 300
Glu Trp Ser Leu Asp Thr Gln Arg Thr Ile Ser Arg Lys Glu Lys
305 310 315
Gly Gly Arg Ser Pro Asp Glu Val Thr Leu Thr Ser Ile Val Pro
320 325 330
Thr Arg Asp Gly Thr Ala Pro Pro Pro Gln Ser Pro Gly Ser Pro
335 340 345

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Gly Thr Gly Gln Asp Glu Glu Trp Ser Asp Glu Glu Ser Pro Arg
                350                 355                 360
Lys Ala Ala Thr Gly Val Arg Val Arg Ala Leu Tyr Asp Tyr Ala
                365                 370                 375
Gly Gln Glu Ala Asp Glu Leu Ser Phe Arg Ala Gly Glu Glu Leu
                380                 385                 390
Leu Lys Met Ser Glu Glu Asp Glu Gln Gly Trp Cys Gln Gly Gln
                395                 400                 405
Leu Gln Ser Gly Arg Ile Gly Leu Tyr Pro Ala Asn Tyr Val Glu
                410                 415                 420
Cys Val Gly Ala
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Pro Ser Pro Pro Pro Gln Ser Ser Pro Pro Pro Gln Pro His Pro
                 35                  40                  45
Cys His Thr Cys Arg Gly Leu Val Asp Ser Phe Asn Lys Gly Leu
                 50                  55                  60
Glu Arg Thr Ile Arg Asp Asn Phe Gly Gly Gly Asn Thr Ala Trp
                 65                  70                  75
Glu Glu Glu Asn Leu Ser Lys Tyr Lys Asp Ser Glu Thr Arg Leu
                 80                  85                  90
Val Glu Val Leu Glu Gly Val Cys Ser Lys Ser Asp Phe Glu Cys
                 95                 100                 105
His Arg Leu Leu Glu Leu Ser Glu Glu Leu Val Glu Ser Trp Trp
                110                 115                 120
Phe His Lys Gln Gln Glu Ala Pro Asp Leu Phe Gln Trp Leu Cys
                125                 130                 135
Ser Asp Ser Leu Lys Leu Cys Cys Pro Ala Gly Thr Phe Gly Pro
                140                 145                 150
Ser Cys Leu Pro Cys Pro Gly Gly Thr Glu Arg Pro Cys Gly Gly
                155                 160                 165
Tyr Gly Gln Cys Glu Gly Glu Gly Thr Arg Gly Gly Ser Gly His
                170                 175                 180
Cys Asp Cys Gln Ala Gly Tyr Gly Gly Glu Ala Cys Gly Gln Cys
                185                 190                 195
Gly Leu Gly Tyr Phe Glu Ala Glu Arg Asn Ala Ser His Leu Val
                200                 205                 210
Cys Ser Ala Cys Phe Gly Pro Cys Ala Arg Cys Ser Gly Pro Glu
                215                 220                 225
Glu Ser Asn Cys Leu Gln Cys Lys Lys Gly Trp Ala Leu His His
                230                 235                 240
Leu Lys Cys Val Asp Ile Asp Glu Cys Gly Thr Glu Gly Ala Asn
                245                 250                 255
Cys Gly Ala Asp Gln Phe Cys Val Asn Thr Glu Gly Ser Tyr Glu
                260                 265                 270
Cys Arg Asp Cys Ala Lys Ala Cys Leu Gly Cys Met Gly Ala Gly
                275                 280                 285
Pro Gly Arg Cys Lys Lys Cys Ser Pro Gly Tyr Gln Gln Val Gly
                290                 295                 300
Ser Lys Cys Leu Asp Val Asp Glu Cys Glu Thr Glu Val Cys Pro
                305                 310                 315
Gly Glu Asn Lys Gln Cys Glu Asn Thr Glu Gly Gly Tyr Arg Cys
                320                 325                 330
Ile Cys Ala Glu Gly Tyr Lys Gln Met Glu Gly Ile Cys Val Lys
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335 340 345
Glu Gln Ile Pro Glu Ser Ala Gly Phe Phe Ser Glu Met Thr Glu
350 355 360
Asp Glu Leu Val Val Leu Gln Gln Met Phe Phe Gly Ile Ile Ile
365 370 375
Cys Ala Leu Ala Thr Leu Ala Ala Lys Gly Asp Leu Val Phe Thr
380 385 390
Ala Ile Phe Ile Gly Ala Val Ala Ala Met Thr Gly Tyr Trp Leu
395 400 405
Ser Glu Arg Ser Asp Arg Val Leu Glu Gly Phe Ile Lys Gly Arg
410 415 420

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<213> Homo sapiens

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Pro Thr Ile Pro Pro Ala Lys Glu Val Cys Lys Ala Ala Lys Ala
20 25 30
Asp Leu Val Phe Met Val Asp Gly Ser Trp Ser Ile Gly Asp Glu
35 40 45
Asn Phe Asn Lys Ile Ile Ser Phe Leu Tyr Ser Thr Val Gly Ala
50 55 60
Leu Asn Lys Ile Gly Thr Asp Gly Thr Gln Val Ala Met Val Gln
65 70 75
Phe Thr Asp Asp Pro Arg Thr Glu Phe Lys Leu Asn Ala Tyr Lys
80 85 90
Thr Lys Glu Thr Leu Leu Asp Ala Ile Lys His Ile Ser Tyr Lys
95 100 105
Gly Gly Asn Thr Lys Thr Gly Lys Ala Ile Lys Tyr Val Arg Asp
110 115 120
Thr Leu Phe Thr Ala Glu Ser Gly Thr Arg Arg Gly Ile Pro Lys
125 130 135
Val Ile Val Val Ile Thr Asp Gly Arg Ser Gln Asp Asp Val Asn
140 145 150
Lys Ile Ser Arg Glu Met Gln Leu Asp Gly Tyr Ser Ile Phe Ala
155 160 165
Ile Gly Val Ala Asp Ala Asp Tyr Ser Glu Leu Val Ser Ile Gly
170 175 180
Ser Lys Pro Ser Ala Arg His Val Phe Phe Val Asp Asp Phe Asp
185 190 195
Ala Phe Lys Lys Ile Glu Asp Glu Leu Ile Thr Phe Val Cys Glu
200 205 210
Thr Ala Ser Ala Thr Cys Pro Val Val His Lys Asp Gly Ile Asp
215 220 225
Leu Ala Gly Phe Lys Met Met Glu Met Phe Gly Leu Val Glu Lys
230 235 240
Asp Phe Ser Ser Val Glu Gly Val Ser Met Glu Pro Gly Thr Phe
245 250 255
Asn Val Phe Pro Cys Tyr Gln Leu His Lys Asp Ala Leu Val Ser
260 265 270
Gln Pro Thr Arg Tyr Leu His Pro Glu Gly Leu Pro Ser Asp Tyr
275 280 285
Thr Ile Ser Phe Leu Phe Arg Ile Leu Pro Asp Thr Pro Gln Glu
290 295 300
Pro Phe Ala Leu Trp Glu Ile Leu Asn Lys Asn Ser Asp Pro Leu
305 310 315
Val Gly Val Ile Leu Asp Asn Gly Gly Lys Thr Leu Thr Tyr Phe
320 325 330
Asn Tyr Asp Gln Ser Gly Asp Phe Gln Thr Val Thr Phe Glu Gly
335 340 345

```
Pro Glu Ile Arg Lys Ile Phe Tyr Gly Ser Phe His Lys Leu His
                350                 355                 360
Ile Val Val Ser Glu Thr Leu Val Lys Val Val Ile Asp Cys Lys
                365                 370                 375
Gln Val Gly Glu Lys Ala Met Asn Ala Ser Ala Asn Ile Thr Ser
                380                 385                 390
Asp Gly Val Glu Val Leu Gly Lys Met Val Arg Ser Arg Gly Pro
                395                 400                 405
Gly Gly Asn Ser Ala Pro Phe Gln Leu Gln Met Phe Asp Ile Val
                410                 415                 420
Cys Ser Thr Ser Trp Ala Asn Thr Asp Lys Cys Cys Glu Leu Pro
                425                 430                 435
Gly Leu Arg Asp Asp Glu Ser Cys Pro Asp Leu Pro His Ser Cys
                440                 445                 450
Ser Cys Ser Glu Thr Asn Glu Val Ala Leu Gly Pro Ala Gly Pro
                455                 460                 465
Pro Gly Gly Pro Gly Leu Arg Gly Pro Lys Gly Gln Gln Gly Glu
                470                 475                 480
Pro Gly Pro Lys Gly Pro Asp Gly Pro Arg Gly Glu Ile Gly Leu
                485                 490                 495
Pro Gly Pro Gln Gly Pro Pro Gly Pro Gln Gly Pro Ser Gly Leu
                500                 505                 510
Ser Ile Gln Gly Met Pro Gly Met Pro Gly Glu Lys Gly Glu Lys
                515                 520                 525
Gly Asp Thr Gly Leu Pro Gly Pro Gln Gly Ile Pro Gly Gly Val
                530                 535                 540
Gly Ser Pro Gly Arg Asp Gly Ser Pro Gly Gln Arg Gly Leu Pro
                545                 550                 555
Gly Lys Asp Gly Ser Ser Gly Pro Pro Gly Pro Pro Gly Pro Ile
                560                 565                 570
Gly Ile Pro Gly Thr Pro Gly Val Pro Gly Ile Thr Gly Ser Met
                575                 580                 585
Gly Pro Gln Gly Ala Leu Gly Pro Pro Gly Val Pro Gly Ala Lys
                590                 595                 600
Gly Glu Arg Gly Glu Arg Gly Asp Leu Gln Ser Gln Ala Met Val
                605                 610                 615
Arg Ser Val Ala Arg Gln Val Cys Glu Gln Leu Ile Gln Ser His
                620                 625                 630
Met Ala Arg Tyr Thr Ala Ile Leu Asn Gln Ile Pro Ser His Ser
                635                 640                 645
Ser Ser Ile Arg Thr Val Gln Gly Pro Pro Gly Glu Pro Gly Arg
                650                 655                 660
Pro Gly Ser Pro Gly Ala Pro Gly Glu Gln Gly Pro Pro Gly Thr
                665                 670                 675
Pro Gly Phe Pro Gly Asn Ala Gly Val Pro Gly Thr Pro Gly Glu
                680                 685                 690
Arg Gly Leu Thr Gly Ile Lys Gly Glu Lys Gly Asn Pro Gly Val
                695                 700                 705
Gly Thr Gln Gly Pro Arg Gly Pro Pro Gly Pro Ala Gly Pro Ser
                710                 715                 720
Gly Glu Ser Arg Pro Gly Ser Pro Gly Pro Pro Gly Ser Pro Gly
                725                 730                 735
Pro Arg Gly Pro Pro Gly His Leu Gly Val Pro Gly Pro Gln Gly
                740                 745                 750
Pro Ser Gly Gln Pro Gly Tyr Cys Asp Pro Ser Ser Cys Ser Ala
                755                 760                 765
Tyr Gly Val Arg Ala Pro His Pro Asp Gln Pro Glu Phe Thr Pro
                770                 775                 780
Val Gln Asp Glu Leu Glu Ala Met Glu Leu Trp Gly Pro Gly Val
                785                 790                 795
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<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
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<223> Incyte ID No: 1810058CD1

<400> 8

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Met Arg Ile Trp Trp Leu Leu Leu Ala Ile Glu Ile Cys Thr Gly
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Asn Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile
             20                  25                  30
Pro Gly Asn Pro Gly His Asn Gly Leu Pro Gly Arg Asp Gly Arg
             35                  40                  45
Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Arg
             50                  55                  60
Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu
             65                  70                  75
Arg Gly Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys Gly Asp
             80                  85                  90
Gln Gly Ser Arg Gly Ser Pro Gly Lys His Gly Pro Lys Gly Leu
             95                 100                 105
Ala Gly Pro Met Gly Glu Lys Gly Leu Arg Gly Glu Thr Gly Pro
            110                 115                 120
Gln Gly Gln Lys Gly Asn Lys Gly Asp Val Gly Pro Thr Gly Pro
            125                 130                 135
Glu Gly Pro Arg Gly Asn Ile Gly Pro Leu Gly Pro Thr Gly Leu
            140                 145                 150
Pro Gly Pro Met Gly Pro Ile Gly Lys Pro Gly Pro Lys Gly Glu
            155                 160                 165
Ala Gly Pro Thr Gly Pro Gln Gly Glu Pro Gly Val Arg Gly Ile
            170                 175                 180
Arg Gly Trp Lys Gly Asp Arg Gly Glu Lys Gly Lys Ile Gly Glu
            185                 190                 195
Thr Leu Val Leu Pro Lys Ser Ala Phe Thr Val Gly Leu Thr Val
            200                 205                 210
Leu Ser Lys Phe Pro Ser Ser Asp Val Pro Ile Lys Phe Asp Lys
            215                 220                 225
Ile His Ile Thr Val Phe Ser Arg Asn Val Gln Val Ser Leu Val
            230                 235                 240
Lys Asn Gly Val Lys Ile Leu His Thr Arg Asp Ala Tyr Val Ser
            245                 250                 255
Ser Glu Asp Gln Ala Ser Gly Ser Ile Val Leu Gln Leu Lys Leu
            260                 265                 270
Gly Asp Glu Met Trp Leu Gln Val Thr Gly Gly Glu Arg Phe Asn
            275                 280                 285
Gly Leu Phe Ala Asp Glu Asp Asp Asp Thr Thr Phe Thr Gly Phe
            290                 295                 300
Leu Leu Phe Ser Ser Gln
            305
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<210> 9
<211> 338
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2040679CD1

<400> 9

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Met Tyr Val Leu Ser Pro Val Glu Phe Ile Ile Leu Gln Leu Leu
  1               5                  10                  15
Phe Ile Gln Ala Ile Ser Ser Ser Leu Lys Gly Phe Leu Ser Ala
             20                  25                  30
Met Arg Leu Ala His Arg Gly Cys Asn Val Asp Thr Pro Val Ser
             35                  40                  45
Thr Leu Thr Pro Val Lys Thr Ser Glu Phe Glu Asn Phe Lys Thr
             50                  55                  60
Lys Met Val Ile Thr Ser Lys Lys Asp Tyr Pro Leu Ser Lys Asn
             65                  70                  75
Phe Pro Tyr Ser Leu Glu His Leu Gln Thr Ser Tyr Cys Gly Leu
             80                  85                  90
```

```
Val Arg Val Asp Met Arg Met Leu Cys Leu Lys Ser Leu Arg Lys
                95                  100                 105
Leu Asp Leu Ser His Asn His Ile Lys Lys Leu Pro Ala Thr Ile
            110                 115                 120
Gly Asp Leu Ile His Leu Gln Glu Leu Asn Leu Asn Asp Asn His
            125                 130                 135
Leu Glu Ser Phe Ser Val Ala Leu Cys His Ser Thr Leu Gln Lys
            140                 145                 150
Ser Leu Arg Ser Leu Asp Leu Ser Lys Asn Lys Ile Lys Ala Leu
            155                 160                 165
Pro Val Gln Phe Cys Gln Leu Gln Glu Leu Lys Asn Leu Lys Leu
            170                 175                 180
Asp Asp Asn Glu Leu Ile Gln Phe Pro Cys Lys Ile Gly Gln Leu
            185                 190                 195
Ile Asn Leu Arg Phe Leu Ser Ala Ala Arg Asn Lys Leu Pro Phe
            200                 205                 210
Leu Pro Ser Glu Phe Arg Asn Leu Ser Leu Glu Tyr Leu Asp Leu
            215                 220                 225
Phe Gly Asn Thr Phe Glu Gln Pro Lys Val Leu Pro Val Ile Lys
            230                 235                 240
Leu Gln Ala Pro Leu Thr Leu Leu Glu Ser Ser Ala Arg Thr Ile
            245                 250                 255
Leu His Asn Arg Ile Pro Tyr Gly Ser His Ile Ile Pro Phe His
            260                 265                 270
Leu Cys Gln Asp Leu Asp Thr Ala Lys Ile Cys Val Cys Gly Arg
            275                 280                 285
Phe Cys Leu Asn Ser Phe Ile Gln Gly Thr Thr Thr Met Asn Leu
            290                 295                 300
His Ser Val Ala His Thr Val Val Leu Val Asp Asn Leu Gly Gly
            305                 310                 315
Thr Glu Ala Pro Ile Ile Ser Tyr Phe Cys Ser Leu Gly Cys Tyr
            320                 325                 330
Val Asn Ser Ser Asp Met Leu Lys
            335
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<210> 10
<211> 164
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2960051CD1

<400> 10

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Met Lys Ile Ala Val Leu Phe Cys Phe Phe Leu Leu Ile Ile Phe
  1                 5                  10                  15
Gln Thr Asp Phe Gly Lys Asn Glu Glu Ile Pro Arg Lys Gln Arg
            20                  25                  30
Arg Lys Ile Tyr His Arg Arg Leu Arg Lys Ser Ser Thr Ser His
            35                  40                  45
Lys His Arg Ser Asn Arg Gln Leu Gly Ile Pro Gln Thr Thr Val
            50                  55                  60
Phe Thr Pro Val Ala Arg Leu Pro Ile Val Asn Phe Asp Tyr Ser
            65                  70                  75
Met Glu Glu Lys Phe Glu Ser Phe Ser Ser Phe Pro Gly Val Glu
            80                  85                  90
Ser Ser Tyr Asn Val Leu Pro Gly Lys Lys Gly His Cys Leu Val
            95                 100                 105
Lys Gly Ile Thr Met Tyr Asn Lys Ala Val Trp Ser Pro Glu Pro
            110                 115                 120
Cys Thr Thr Cys Leu Cys Ser Asp Gly Arg Val Leu Cys Asp Glu
            125                 130                 135
Thr Met Cys His Pro Gln Arg Cys Pro Gln Thr Val Ile Pro Glu
            140                 145                 150
Gly Glu Cys Cys Pro Val Cys Ser Ala Thr Gly Thr Glu Ile
            155                 160
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<210> 11

<211> 327
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3117318CD1

<400> 11
Met Arg Ala Leu Pro Gly Leu Leu Glu Ala Arg Ala Arg Thr Pro
1 5 10 15
Arg Leu Leu Leu Leu Gln Cys Leu Leu Ala Ala Ala Arg Pro Ser
20 25 30
Ser Ala Asp Gly Ser Ala Pro Asp Ser Ala Phe Thr Ser Pro Pro
35 40 45
Leu Arg Glu Glu Ile Met Ala Asn Asn Phe Ser Leu Glu Ser His
50 55 60
Asn Ile Ser Leu Thr Glu His Ser Ser Met Pro Val Glu Lys Asn
65 70 75
Ile Thr Leu Glu Arg Pro Ser Asn Val Asn Leu Thr Cys Gln Phe
80 85 90
Thr Thr Ser Gly Asp Leu Asn Ala Val Asn Val Thr Trp Lys Lys
95 100 105
Asp Gly Glu Gln Leu Glu Asn Asn Tyr Leu Val Ser Ala Thr Gly
110 115 120
Ser Thr Leu Tyr Thr Gln Tyr Arg Phe Thr Ile Ile Asn Ser Lys
125 130 135
Gln Met Gly Ser Tyr Ser Cys Phe Phe Arg Glu Glu Lys Glu Gln
140 145 150
Arg Gly Thr Phe Asn Phe Lys Val Pro Glu Leu His Gly Lys Asn
155 160 165
Lys Pro Leu Ile Ser Tyr Val Gly Asp Ser Thr Val Leu Thr Cys
170 175 180
Lys Cys Gln Asn Cys Phe Pro Leu Asn Trp Thr Trp Tyr Ser Ser
185 190 195
Asn Gly Ser Val Lys Val Pro Val Gly Val Gln Met Asn Lys Tyr
200 205 210
Val Ile Asn Gly Thr Tyr Ala Asn Glu Thr Lys Leu Lys Ile Thr
215 220 225
Gln Leu Leu Glu Glu Asp Gly Glu Ser Tyr Trp Cys Arg Ala Leu
230 235 240
Phe Gln Leu Gly Glu Ser Glu Glu His Ile Glu Leu Val Val Leu
245 250 255
Ser Tyr Leu Val Pro Leu Lys Pro Phe Leu Val Ile Val Ala Glu
260 265 270
Val Ile Leu Leu Val Ala Thr Ile Leu Leu Cys Glu Lys Tyr Thr
275 280 285
Gln Lys Lys Lys Lys His Ser Asp Glu Gly Lys Glu Phe Glu Gln
290 295 300
Ile Glu Gln Leu Lys Ser Asp Asp Ser Asn Gly Ile Glu Asn Asn
305 310 315
Val Pro Arg His Arg Lys Asn Glu Ser Leu Gly Gln
320 325

<210> 12
<211> 716
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3486992CD1

<400> 12
Met Ala Arg Met Ser Phe Val Ile Ala Ala Cys Gln Leu Val Leu
1 5 10 15
Gly Leu Leu Met Thr Ser Leu Thr Glu Ser Ser Ile Gln Asn Ser
20 25 30

```
Glu Cys Pro Gln Leu Cys Val Cys Glu Ile Arg Pro Trp Phe Thr
                35                  40                  45
Pro Gln Ser Thr Tyr Arg Glu Ala Thr Thr Val Asp Cys Asn Asp
            50                  55                  60
Leu Arg Leu Thr Arg Ile Pro Ser Asn Leu Ser Ser Asp Thr Gln
        65                  70                  75
Val Leu Leu Leu Gln Ser Asn Asn Ile Ala Lys Thr Val Asp Glu
    80                  85                  90
Leu Gln Gln Leu Phe Asn Leu Thr Glu Leu Asp Phe Ser Gln Asn
                95                  100                 105
Asn Phe Thr Asn Ile Lys Glu Val Gly Leu Ala Asn Leu Thr Gln
            110                 115                 120
Leu Thr Thr Leu His Leu Glu Glu Asn Gln Ile Thr Glu Met Thr
        125                 130                 135
Asp Tyr Cys Leu Gln Asp Leu Ser Asn Leu Gln Glu Leu Tyr Ile
    140                 145                 150
Asn His Asn Gln Ile Ser Thr Ile Ser Ala His Ala Phe Ala Gly
155                 160                 165
Leu Lys Asn Leu Leu Arg Leu His Leu Asn Ser Asn Lys Leu Lys
            170                 175                 180
Val Ile Asp Ser Arg Trp Phe Asp Ser Thr Pro Asn Leu Glu Ile
        185                 190                 195
Leu Met Ile Gly Glu Asn Pro Val Ile Gly Ile Leu Asp Met Asn
    200                 205                 210
Phe Lys Pro Leu Ala Asn Leu Arg Ser Leu Val Leu Ala Gly Met
215                 220                 225
Tyr Leu Thr Asp Ile Pro Gly Asn Ala Leu Val Gly Leu Asp Ser
            230                 235                 240
Leu Glu Ser Leu Ser Phe Tyr Asp Asn Lys Leu Val Lys Val Pro
        245                 250                 255
Gln Leu Ala Leu Gln Lys Val Pro Asn Leu Lys Phe Leu Asp Leu
    260                 265                 270
Asn Lys Asn Pro Ile His Lys Ile Gln Glu Gly Asp Phe Lys Asn
275                 280                 285
Met Leu Arg Leu Lys Glu Leu Gly Ile Asn Asn Met Gly Glu Leu
            290                 295                 300
Val Ser Val Asp Arg Tyr Ala Leu Asp Asn Leu Pro Glu Leu Thr
305                 310                 315
Lys Leu Glu Ala Thr Asn Asn Pro Lys Leu Ser Tyr Ile His Arg
            320                 325                 330
Leu Ala Phe Arg Ser Val Pro Ala Leu Glu Ser Leu Met Leu Asn
        335                 340                 345
Asn Asn Ala Leu Asn Ala Ile Tyr Gln Lys Thr Val Glu Ser Leu
    350                 355                 360
Pro Asn Leu Arg Glu Ile Ser Ile His Ser Asn Pro Leu Arg Cys
365                 370                 375
Asp Cys Val Ile His Trp Ile Asn Ser Asn Lys Thr Asn Ile Arg
            380                 385                 390
Phe Met Glu Pro Leu Ser Met Phe Cys Ala Met Pro Pro Glu Tyr
        395                 400                 405
Lys Gly His Gln Val Lys Glu Val Leu Ile Gln Asp Ser Ser Glu
    410                 415                 420
Gln Cys Leu Pro Met Ile Ser His Asp Ser Phe Pro Asn Arg Leu
425                 430                 435
Asn Val Asp Ile Gly Thr Thr Val Phe Leu Asp Cys Arg Ala Met
            440                 445                 450
Ala Glu Pro Glu Pro Glu Ile Tyr Trp Val Thr Pro Ile Gly Asn
        455                 460                 465
Lys Ile Thr Val Glu Thr Leu Ser Asp Lys Tyr Lys Leu Ser Ser
    470                 475                 480
Glu Gly Thr Leu Glu Ile Ser Asn Ile Gln Ile Glu Asp Ser Gly
485                 490                 495
Arg Tyr Thr Cys Val Ala Gln Asn Val Gln Gly Ala Asp Thr Arg
            500                 505                 510
Val Ala Thr Ile Lys Val Asn Gly Thr Leu Leu Asp Gly Thr Gln
        515                 520                 525
Val Leu Lys Ile Tyr Val Lys Gln Thr Glu Ser His Ser Ile Leu
```

530 535 540
Val Ser Trp Lys Val Asn Ser Asn Val Met Thr Ser Asn Leu Lys
545 550 555
Trp Ser Ser Ala Thr Met Lys Ile Asp Asn Pro His Ile Thr Tyr
560 565 570
Thr Ala Arg Val Pro Val Asp Val His Glu Tyr Asn Leu Thr His
575 580 585
Leu Gln Pro Ser Thr Asp Tyr Glu Val Cys Leu Thr Val Ser Asn
590 595 600
Ile His Gln Gln Thr Gln Lys Ser Cys Val Asn Val Thr Thr Lys
605 610 615
Asn Ala Ala Phe Ala Val Asp Ile Ser Asp Gln Glu Thr Ser Thr
620 625 630
Ala Leu Ala Ala Val Met Gly Ser Met Phe Ala Val Ile Ser Leu
635 640 645
Ala Ser Ile Ala Val Tyr Phe Ala Lys Arg Phe Lys Arg Lys Asn
650 655 660
Tyr His His Ser Leu Lys Lys Tyr Met Gln Lys Thr Ser Ser Ile
665 670 675
Pro Leu Asn Glu Leu Tyr Pro Pro Leu Ile Asn Leu Trp Glu Gly
680 685 690
Asp Ser Glu Lys Asp Lys Asp Gly Ser Ala Asp Thr Lys Pro Thr
695 700 705
Gln Val Asp Thr Ser Arg Ser Tyr Tyr Met Trp
710 715

<210> 13
<211> 665
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4568384CD1

<400> 13
Met Val Leu Val Phe His Lys Gly Glu Leu Gly His Pro Leu Glu
1 5 10 15
Gln Ser Thr Asp Trp Pro Lys Ser Pro Lys Thr Pro Thr Gly Leu
20 25 30
Arg Arg Gly Arg Gln Cys Ile Arg Pro Ala Glu Ile Val Ala Ser
35 40 45
Leu Leu Glu Gly Glu Glu Asn Thr Cys Gly Lys Gln Lys Pro Lys
50 55 60
Glu Asn Asn Leu Lys Pro Lys Phe Gln Ala Phe Lys Gly Val Gly
65 70 75
Cys Leu Tyr Glu Lys Glu Ser Met Lys Lys Ser Leu Lys Asp Ser
80 85 90
Val Ala Ser Asn Asn Lys Asp Gln Asn Ser Met Lys His Glu Asp
95 100 105
Pro Ser Ile Ile Ser Met Glu Asp Gly Ser Pro Tyr Val Asn Gly
110 115 120
Ser Leu Gly Glu Val Thr Pro Cys Gln His Ala Lys Lys Ala Asn
125 130 135
Gly Pro Asn Tyr Ile Gln Pro Gln Lys Arg Gln Thr Thr Phe Glu
140 145 150
Ser Gln Asp Arg Lys Ala Val Ser Pro Ser Ser Ser Glu Lys Arg
155 160 165
Ser Lys Asn Pro Ile Ser Arg Pro Leu Glu Gly Lys Lys Ser Leu
170 175 180
Ser Leu Ser Ala Lys Thr His Asn Ile Gly Phe Asp Lys Asp Ser
185 190 195
Cys His Ser Thr Thr Lys Thr Glu Ala Ser Gln Glu Glu Arg Ser
200 205 210
Asp Ser Ser Gly Leu Thr Ser Leu Lys Lys Ser Pro Lys Val Ser
215 220 225
Ser Lys Asp Thr Arg Glu Ile Lys Thr Asp Phe Ser Leu Ser Ile
230 235 240

Ser Asn Ser Ser Asp Val Ser Ala Lys Asp Lys His Ala Glu Asp
245 250 255
Asn Glu Lys Arg Leu Ala Ala Leu Glu Ala Arg Gln Lys Ala Lys
260 265 270
Glu Val Gln Lys Lys Leu Val His Asn Ala Leu Ala Asn Leu Asp
275 280 285
Gly His Pro Glu Asp Lys Pro Thr His Ile Ile Phe Gly Ser Asp
290 295 300
Ser Glu Cys Glu Thr Glu Glu Thr Ser Thr Gln Glu Gln Ser His
305 310 315
Pro Gly Glu Glu Trp Val Lys Glu Ser Met Gly Lys Thr Ser Gly
320 325 330
Lys Leu Phe Asp Ser Ser Asp Asp Asp Glu Ser Asp Ser Glu Asp
335 340 345
Asp Ser Asn Arg Phe Lys Ile Lys Pro Gln Phe Glu Gly Arg Ala
350 355 360
Gly Gln Lys Leu Met Asp Leu Gln Ser His Phe Gly Thr Asp Asp
365 370 375
Arg Phe Arg Met Asp Ser Arg Phe Leu Glu Thr Asp Ser Glu Glu
380 385 390
Glu Gln Glu Glu Val Asn Glu Lys Lys Thr Ala Glu Glu Glu Glu
395 400 405
Leu Ala Glu Glu Lys Lys Lys Ala Leu Asn Val Val Gln Ser Val
410 415 420
Leu Gln Ile Asn Leu Ser Asn Ser Thr Asn Arg Gly Ser Val Ala
425 430 435
Ala Lys Lys Phe Lys Asp Ile Ile His Tyr Asp Pro Thr Lys Gln
440 445 450
Asp His Ala Thr Tyr Glu Arg Lys Arg Asp Asp Lys Pro Lys Glu
455 460 465
Ser Lys Ala Lys Arg Lys Lys Lys Arg Glu Glu Ala Glu Lys Leu
470 475 480
Pro Glu Val Ser Lys Glu Met Tyr Tyr Asn Ile Ala Met Asp Leu
485 490 495
Lys Glu Ile Phe Gln Thr Thr Lys Tyr Thr Ser Glu Lys Glu Glu
500 505 510
Gly Thr Pro Trp Asn Glu Asp Cys Gly Lys Glu Lys Pro Glu Glu
515 520 525
Ile Gln Asp Pro Ala Ala Leu Thr Ser Asp Ala Glu Gln Pro Ser
530 535 540
Gly Phe Thr Phe Ser Phe Phe Asp Ser Asp Thr Lys Asp Ile Lys
545 550 555
Glu Glu Thr Tyr Arg Val Glu Thr Val Lys Pro Gly Lys Ile Val
560 565 570
Trp Gln Glu Asp Pro Arg Leu Gln Asp Ser Ser Ser Glu Glu Glu
575 580 585
Asp Val Thr Glu Glu Thr Asp His Arg Asn Ser Ser Pro Gly Glu
590 595 600
Ala Ser Leu Leu Glu Lys Glu Thr Thr Arg Phe Phe Phe Phe Ser
605 610 615
Lys Asn Asp Glu Arg Leu Gln Gly Ser Asp Leu Phe Trp Arg Gly
620 625 630
Val Gly Ser Asn Met Ser Arg Asn Ser Trp Glu Ala Arg Thr Thr
635 640 645
Asn Leu Arg Met Asp Cys Arg Lys Lys His Lys Asp Ala Lys Arg
650 655 660
Lys Met Lys Pro Lys
665

<210> 14
<211> 547
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4586187CD1

<400> 14

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Met Tyr Ser His Asn Val Val Ile Met Asn Leu Asn Asn Leu Asn
  1               5                  10                  15
Leu Thr Gln Val Gln Gln Arg Asn Leu Ile Thr Asn Leu Gln Arg
             20                  25                  30
Ser Val Asp Asp Thr Ser Gln Ala Ile Gln Arg Ile Lys Asn Asp
         35                  40                  45
Phe Gln Asn Leu Gln Gln Val Phe Leu Gln Ala Lys Lys Asp Thr
     50                  55                  60
Asp Trp Leu Lys Glu Lys Val Gln Ser Leu Gln Thr Leu Ala Ala
 65                  70                  75
Asn Asn Ser Ala Leu Ala Lys Ala Asn Asn Asp Thr Leu Glu Asp
             80                  85                  90
Met Asn Ser Gln Leu Asn Ser Phe Thr Gly Gln Met Glu Asn Ile
         95                 100                 105
Thr Thr Ile Ser Gln Ala Asn Glu Gln Asn Leu Lys Asp Leu Gln
    110                 115                 120
Asp Leu His Lys Asp Ala Glu Asn Arg Thr Ala Ile Lys Phe Asn
    125                 130                 135
Gln Leu Glu Glu Arg Phe Gln Leu Phe Glu Thr Asp Ile Val Asn
    140                 145                 150
Ile Ile Ser Asn Ile Ser Tyr Thr Ala His His Leu Arg Thr Leu
    155                 160                 165
Thr Ser Asn Leu Asn Glu Val Arg Thr Thr Cys Thr Asp Thr Leu
    170                 175                 180
Thr Lys His Thr Asp Asp Leu Thr Ser Leu Asn Asn Thr Leu Ala
    185                 190                 195
Asn Ile Arg Leu Asp Ser Val Ser Leu Arg Met Gln Gln Asp Leu
    200                 205                 210
Met Arg Ser Arg Leu Asp Thr Glu Val Ala Asn Leu Ser Val Ile
    215                 220                 225
Met Glu Glu Met Lys Leu Val Asp Ser Lys His Gly Gln Leu Ile
    230                 235                 240
Lys Asn Phe Thr Ile Leu Gln Gly Pro Pro Gly Pro Arg Gly Pro
    245                 250                 255
Arg Gly Asp Arg Gly Ser Gln Gly Pro Pro Gly Pro Thr Gly Asn
    260                 265                 270
Lys Gly Gln Lys Gly Glu Lys Gly Glu Pro Gly Pro Pro Gly Pro
    275                 280                 285
Ala Gly Glu Arg Gly Pro Ile Gly Pro Ala Gly Pro Pro Gly Glu
    290                 295                 300
Arg Gly Gly Lys Gly Ser Lys Gly Ser Gln Gly Pro Lys Gly Ser
    305                 310                 315
Arg Gly Ser Pro Gly Lys Pro Gly Pro Gln Gly Pro Ser Gly Asp
    320                 325                 330
Pro Gly Pro Pro Gly Pro Pro Gly Lys Glu Gly Leu Pro Gly Pro
    335                 340                 345
Gln Gly Pro Pro Gly Phe Gln Gly Leu Gln Gly Thr Val Gly Glu
    350                 355                 360
Pro Gly Val Pro Gly Pro Arg Gly Leu Pro Gly Leu Pro Gly Val
    365                 370                 375
Pro Gly Met Pro Gly Pro Lys Gly Pro Pro Gly Pro Pro Gly Pro
    380                 385                 390
Ser Gly Ala Val Val Pro Leu Ala Leu Gln Asn Glu Pro Thr Pro
    395                 400                 405
Ala Pro Glu Asp Asn Ser Cys Pro Pro His Trp Lys Asn Phe Thr
    410                 415                 420
Asp Lys Cys Tyr Tyr Phe Ser Val Glu Lys Glu Ile Phe Glu Asp
    425                 430                 435
Ala Lys Leu Phe Cys Glu Asp Lys Ser Ser His Leu Val Phe Ile
    440                 445                 450
Asn Thr Arg Glu Glu Gln Gln Trp Ile Lys Lys Gln Met Val Gly
    455                 460                 465
Arg Glu Ser His Trp Ile Gly Leu Thr Asp Ser Glu Arg Glu Asn
    470                 475                 480
Glu Trp Lys Trp Leu Asp Gly Thr Ser Pro Asp Tyr Lys Asn Trp
    485                 490                 495
```

Lys Ala Gly Gln Pro Asp Asn Trp Gly His Gly His Gly Pro Gly
500 505 510
Glu Asp Cys Ala Gly Leu Ile Tyr Ala Gly Gln Trp Asn Asp Phe
515 520 525
Gln Cys Glu Asp Val Asn Asn Phe Ile Cys Glu Lys Asp Arg Glu
530 535 540
Thr Val Leu Ser Ser Ala Leu
545

<210> 15
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 401801CD1

<400> 15
Met Tyr Phe Asn Leu Gln Glu Asn Ile Phe Met Tyr Gly Gly Arg
1 5 10 15
Ile Glu Thr Asn Asp Gly Asn Val Thr Asp Glu Leu Trp Val Phe
20 25 30
Asn Ile His Ser Gln Ser Trp Ser Thr Lys Thr Pro Thr Val Leu
35 40 45
Gly His Gly Gln Gln Tyr Ala Val Glu Gly His Ser Ala His Ile
50 55 60
Met Glu Leu Asp Ser Arg Asp Val Val Met Ile Ile Ile Phe Gly
65 70 75
Tyr Ser Ala Ile Tyr Gly Tyr Thr Ser Ser Ile Gln Glu Tyr His
80 85 90
Ile Cys Glu Leu Leu Lys Asn Cys Asn Phe Phe Ile Asp Trp Glu
95 100 105
Cys Phe Ser Leu

<210> 16
<211> 192
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1721842CD1

<400> 16
Met Asn Lys Arg Asp Tyr Met Asn Thr Ser Val Gln Glu Pro Pro
1 5 10 15
Leu Asp Tyr Ser Phe Arg Ser Ile His Val Ile Gln Asp Leu Val
20 25 30
Asn Glu Glu Pro Arg Thr Gly Leu Arg Pro Leu Lys Arg Ser Lys
35 40 45
Ser Gly Lys Ser Leu Thr Gln Ser Leu Trp Leu Asn Asn Asn Val
50 55 60
Leu Asn Asp Leu Arg Asp Phe Asn Gln Val Ala Ser Gln Leu Leu
65 70 75
Glu His Pro Glu Asn Leu Ala Trp Ile Asp Leu Ser Phe Asn Asp
80 85 90
Leu Thr Ser Ile Asp Pro Val Leu Thr Thr Phe Phe Asn Leu Ser
95 100 105
Val Leu Tyr Leu His Gly Asn Ser Ile Gln Arg Leu Gly Glu Val
110 115 120
Asn Lys Leu Ala Val Leu Pro Arg Leu Arg Ser Leu Thr Leu His
125 130 135
Gly Asn Pro Met Glu Glu Glu Lys Gly Tyr Arg Gln Tyr Val Leu
140 145 150
Cys Thr Leu Ser Arg Ile Thr Thr Phe Asp Phe Ser Gly Val Thr
155 160 165
Lys Ala Asp Arg Thr Thr Ala Glu Val Trp Lys Arg Met Asn Ile

170 175 180
Lys Pro Lys Lys Ala Trp Thr Lys Gln Asn Thr Leu
185 190

<210> 17
<211> 575
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1833221CD1

<400> 17
Met Val Leu Gly Ser Phe Gly Thr Asp Leu Met Arg Glu Arg Arg
1 5 10 15
Asp Leu Glu Arg Arg Thr Asp Ser Ser Ile Ser Asn Leu Met Asp
20 25 30
Tyr Ser His Arg Ser Gly Asp Phe Thr Thr Ser Ser Tyr Val Gln
35 40 45
Asp Arg Val Pro Ser Tyr Ser Gln Gly Ala Arg Pro Lys Glu Asn
50 55 60
Ser Met Ser Thr Leu Gln Leu Asn Thr Ser Ser Thr Asn His Gln
65 70 75
Leu Pro Ser Glu His Gln Thr Ile Leu Ser Ser Arg Asp Ser Arg
80 85 90
Asn Ser Leu Arg Ser Asn Phe Ser Ser Arg Glu Ser Glu Ser Ser
95 100 105
Arg Ser Asn Thr Gln Pro Gly Phe Ser Tyr Ser Ser Ser Arg Asp
110 115 120
Glu Ala Pro Ile Ile Ser Asn Ser Glu Arg Val Val Ser Ser Gln
125 130 135
Arg Pro Phe Gln Glu Ser Ser Asp Asn Glu Gly Arg Arg Thr Thr
140 145 150
Arg Arg Leu Leu Ser Arg Ile Ala Ser Ser Met Ser Ser Thr Phe
155 160 165
Phe Ser Arg Arg Ser Ser Gln Asp Ser Leu Asn Thr Arg Ser Leu
170 175 180
Asn Ser Glu Asn Ser Tyr Val Ser Pro Arg Ile Leu Thr Ala Ser
185 190 195
Gln Ser Arg Ser Asn Val Pro Ser Ala Ser Glu Val Pro Asp Asn
200 205 210
Arg Ala Ser Glu Ala Ser Gln Gly Phe Arg Phe Leu Arg Arg Arg
215 220 225
Trp Gly Leu Ser Ser Leu Ser His Asn His Ser Ser Glu Ser Asp
230 235 240
Ser Glu Asn Phe Asn Gln Glu Ser Glu Gly Arg Asn Thr Gly Pro
245 250 255
Trp Leu Ser Ser Ser Leu Arg Asn Arg Cys Thr Pro Leu Phe Ser
260 265 270
Arg Arg Arg Arg Glu Gly Arg Asp Glu Ser Ser Arg Ile Pro Thr
275 280 285
Ser Asp Thr Ser Ser Arg Ser His Ile Phe Arg Arg Glu Ser Asn
290 295 300
Glu Val Val His Leu Glu Ala Gln Asn Asp Pro Leu Gly Ala Ala
305 310 315
Ala Asn Arg Pro Gln Ala Ser Ala Ala Ser Ser Ser Ala Thr Thr
320 325 330
Gly Gly Ser Thr Ser Asp Ser Ala Gln Gly Gly Arg Asn Thr Gly
335 340 345
Ile Ser Gly Ile Leu Pro Gly Ser Leu Phe Arg Phe Ala Val Pro
350 355 360
Pro Ala Leu Gly Ser Asn Leu Thr Asp Asn Val Met Ile Thr Val
365 370 375
Asp Ile Ile Pro Ser Gly Trp Asn Ser Ala Asp Gly Lys Ser Asp
380 385 390
Lys Thr Lys Ser Ala Pro Ser Arg Asp Pro Glu Arg Leu Gln Lys
395 400 405

Ile Lys Glu Ser Leu Leu Leu Glu Asp Ser Glu Glu Glu Glu Gly
410 415 420
Asp Leu Cys Arg Ile Cys Gln Met Ala Ala Ala Ser Ser Ser Asn
425 430 435
Leu Leu Ile Glu Pro Cys Lys Cys Thr Gly Ser Leu Gln Tyr Val
440 445 450
His Gln Asp Cys Met Lys Lys Trp Leu Gln Ala Lys Ile Asn Ser
455 460 465
Gly Ser Ser Leu Glu Ala Val Thr Thr Cys Glu Leu Cys Lys Glu
470 475 480
Lys Leu Glu Leu Asn Leu Glu Asp Phe Asp Ile His Glu Leu His
485 490 495
Arg Ala His Ala Asn Glu Gln Ala Glu Tyr Glu Phe Ile Ser Ser
500 505 510
Gly Leu Tyr Leu Val Val Leu Leu His Leu Cys Glu Gln Ser Phe
515 520 525
Ser Asp Met Met Gly Asn Thr Asn Glu Pro Ser Thr Arg Val Arg
530 535 540
Phe Ile Asn Leu Ala Arg Thr Leu Gln Ala His Met Glu Asp Leu
545 550 555
Glu Thr Ser Glu Asp Asp Ser Glu Glu Asp Gly Asp His Asn Arg
560 565 570
Thr Phe Asp Ile Ala
575

<210> 18
<211> 342
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2041168CD1

<400> 18
Met Ala Glu Gly Gly Ser Gly Asp Val Asp Asp Ala Gly Asp Cys
1 5 10 15
Ser Gly Ala Arg Tyr Asn Asp Trp Ser Asp Asp Asp Asp Asp Ser
20 25 30
Asn Glu Ser Lys Ser Ile Val Trp Tyr Pro Pro Trp Ala Arg Ile
35 40 45
Gly Thr Glu Ala Gly Thr Arg Ala Arg Ala Arg Ala Arg Ala Arg
50 55 60
Ala Thr Arg Ala Arg Arg Ala Val Gln Lys Arg Ala Ser Pro Asn
65 70 75
Ser Asp Asp Thr Val Leu Ser Pro Gln Glu Leu Gln Lys Val Leu
80 85 90
Cys Leu Val Glu Met Ser Glu Lys Pro Tyr Ile Leu Glu Ala Ala
95 100 105
Leu Ile Ala Leu Gly Asn Asn Ala Ala Tyr Ala Phe Asn Arg Asp
110 115 120
Ile Ile Arg Asp Leu Gly Gly Leu Pro Ile Val Ala Lys Ile Leu
125 130 135
Asn Thr Arg Asp Pro Ile Val Lys Glu Lys Ala Leu Ile Val Leu
140 145 150
Asn Asn Leu Ser Val Asn Ala Glu Asn Gln Arg Arg Leu Lys Val
155 160 165
Tyr Met Asn Gln Val Cys Asp Asp Thr Ile Thr Ser Arg Leu Asn
170 175 180
Ser Ser Val Gln Leu Ala Gly Leu Arg Leu Leu Thr Asn Met Thr
185 190 195
Val Thr Asn Glu Tyr Gln His Met Leu Ala Asn Ser Ile Ser Asp
200 205 210
Phe Phe Arg Leu Phe Ser Ala Gly Asn Glu Glu Thr Lys Leu Gln
215 220 225
Val Leu Lys Leu Leu Leu Asn Leu Ala Glu Asn Pro Ala Met Thr
230 235 240
Arg Glu Leu Leu Arg Ala Gln Val Pro Ser Ser Leu Gly Ser Leu

245 250 255
Phe Asn Lys Lys Glu Asn Lys Glu Val Ile Leu Lys Leu Leu Val
260 265 270
Ile Phe Glu Asn Ile Asn Asp Asn Phe Lys Trp Glu Glu Asn Glu
275 280 285
Pro Thr Gln Asn Gln Phe Gly Glu Gly Ser Leu Phe Phe Phe Leu
290 295 300
Lys Glu Phe Gln Val Cys Ala Asp Lys Val Leu Gly Ile Glu Ser
305 310 315
His His Asp Phe Leu Val Lys Val Lys Val Gly Lys Phe Met Ala
320 325 330
Lys Leu Ala Glu His Met Phe Pro Lys Ser Gln Glu
335 340

<210> 19
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2365794CD1

<400> 19
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Glu Ala Ala Val Arg Gly Asn Ala Ala Val Leu Asp Tyr Cys Arg
20 25 30
Thr Ser Val Ser Ala Leu Ser Gly Ala Thr Ala Gly Ile Leu Gly
35 40 45
Leu Thr Gly Leu Tyr Gly Phe Ile Phe Tyr Leu Leu Ala Ser Val
50 55 60
Leu Leu Ser Leu Leu Leu Ile Leu Lys Ala Gly Arg Arg Trp Asn
65 70 75
Lys Tyr Phe Lys Ser Arg Arg Pro Leu Phe Thr Gly Gly Leu Ile
80 85 90
Gly Gly Leu Phe Thr Tyr Val Leu Phe Trp Thr Phe Leu Tyr Gly
95 100 105
Met Val His Val Tyr
110

<210> 20
<211> 571
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2618452CD1

<400> 20
Met Pro Thr Gly Thr Ile Pro Pro Pro Thr Thr Leu Lys Ala Thr
1 5 10 15
Gly Ser Thr His Thr Ala Pro Pro Met Met Pro Thr Thr Ser Gly
20 25 30
Thr Ser Gln Ala Ser Ser Ser Phe Asn Thr Ala Lys Thr Ser Thr
35 40 45
Ser Leu His Ser His Thr Ser Ser Thr His His Pro Glu Val Thr
50 55 60
Pro Thr Ser Ile Thr Asn Ile Thr Leu Asn Pro Thr Ser Ile Gly
65 70 75
Thr Trp Thr Pro Val Ala His Thr Thr Ser Ala Thr Ser Ser Arg
80 85 90
Leu Thr Thr Pro Phe Thr Thr His Ser Pro Pro Thr Gly Ser Ser
95 100 105
Pro Ile Ser Ser Thr Gly Pro Met Thr Ala Thr Ser Phe Gln Thr
110 115 120
Thr Thr Tyr Tyr Thr Pro Pro Ser His Pro Gln Thr Thr Leu Pro
125 130 135

Thr His Val Pro Pro Phe Ser Thr Ser Leu Val Thr Pro Ser Thr
140 145 150
His Thr Val Ile Ile Thr Thr His Thr Gln Met Ala Thr Ser Ala
155 160 165
Ser Ile His Ser Thr Pro Thr Gly Thr Val Pro Pro Pro Thr Thr
170 175 180
Leu Lys Ala Thr Gly Ser Thr His Thr Ala Pro Pro Met Thr Val
185 190 195
Thr Thr Ser Gly Thr Ser Gln Thr His Ser Ser Phe Ser Thr Ala
200 205 210
Thr Ala Ser Ser Ser Phe Ile Ser Ser Ser Ser Trp Ser Ser Trp
215 220 225
Leu Pro Gln Asn Ser Ser Ser Arg Pro Pro Ser Ser Pro Ile Thr
230 235 240
Thr Gln Leu Pro His Leu Ser Ser Ala Thr Thr Pro Val Ser Thr
245 250 255
Thr Asn Gln Leu Ser Ser Ser Phe Ser Pro Ser Pro Ser Ala Pro
260 265 270
Ser Thr Val Ser Ser Tyr Val Pro Ser Ser His Ser Ser Pro Gln
275 280 285
Thr Ser Ser Pro Ser Val Gly Thr Ser Ser Ser Phe Val Ser Ala
290 295 300
Pro Val His Ser Thr Thr Leu Ser Ser Gly Ser His Ser Ser Leu
305 310 315
Ser Thr His Pro Thr Thr Ala Ser Val Ser Ala Ser Pro Leu Phe
320 325 330
Pro Ser Ser Pro Ala Ala Ser Thr Thr Ile Arg Ala Thr Leu Pro
335 340 345
His Thr Ile Ser Ser Pro Phe Thr Leu Ser Ala Leu Leu Pro Ile
350 355 360
Ser Thr Val Thr Val Ser Pro Thr Pro Ser Ser His Leu Ala Ser
365 370 375
Ser Thr Ile Ala Phe Pro Ser Thr Pro Arg Thr Thr Ala Ser Thr
380 385 390
His Thr Ala Pro Ala Phe Ser Ser Gln Ser Thr Thr Ser Arg Ser
395 400 405
Thr Ser Leu Thr Thr Arg Val Pro Thr Ser Gly Phe Val Ser Leu
410 415 420
Thr Ser Gly Val Thr Gly Ile Pro Thr Ser Pro Val Thr Asn Leu
425 430 435
Thr Thr Arg His Pro Gly Pro Thr Leu Ser Pro Thr Thr Arg Phe
440 445 450
Leu Thr Ser Ser Leu Thr Ala His Gly Ser Thr Pro Ala Ser Ala
455 460 465
Pro Val Ser Ser Leu Gly Thr Pro Thr Pro Thr Ser Pro Gly Val
470 475 480
Cys Ser Val Arg Glu Gln Gln Glu Glu Ile Thr Phe Lys Gly Cys
485 490 495
Met Ala Asn Val Thr Val Thr Arg Cys Glu Gly Ala Cys Ile Ser
500 505 510
Ala Ala Ser Phe Asn Ile Ile Thr Gln Gln Val Asp Ala Arg Cys
515 520 525
Ser Cys Cys Arg Pro Leu His Ser Tyr Glu Gln Gln Leu Glu Leu
530 535 540
Pro Cys Pro Asp Pro Ser Thr Pro Gly Arg Arg Leu Val Leu Thr
545 550 555
Leu Gln Val Phe Ser His Cys Val Cys Ser Ser Val Ala Cys Gly
560 565 570

Asp

<210> 21
<211> 262
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2622288CD1

<400> 21
Met Val Ala Trp Arg Ser Ala Phe Leu Val Cys Leu Ala Phe Ser
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Leu Ala Thr Leu Val Gln Arg Gly Ser Gly Asp Phe Asp Asp Phe
20 25 30
Asn Leu Glu Asp Ala Val Lys Glu Thr Ser Ser Val Lys Gln Pro
35 40 45
Trp Asp His Thr Thr Thr Thr Thr Thr Asn Arg Pro Gly Thr Thr
50 55 60
Arg Ala Pro Ala Lys Pro Pro Gly Ser Gly Leu Asp Leu Ala Asp
65 70 75
Ala Leu Asp Asp Gln Asp Asp Gly Arg Arg Lys Pro Gly Ile Gly
80 85 90
Gly Arg Glu Arg Trp Asn His Val Thr Thr Thr Thr Lys Arg Pro
95 100 105
Val Thr Thr Arg Ala Pro Ala Asn Thr Leu Gly Asn Asp Phe Asp
110 115 120
Leu Ala Asp Ala Leu Asp Asp Arg Asn Asp Arg Asp Asp Gly Arg
125 130 135
Arg Lys Pro Ile Ala Gly Gly Gly Gly Phe Ser Asp Lys Asp Leu
140 145 150
Glu Asp Ile Val Gly Gly Gly Glu Tyr Lys Pro Asp Lys Gly Lys
155 160 165
Gly Asp Gly Arg Tyr Gly Ser Asn Asp Asp Pro Gly Ser Gly Met
170 175 180
Val Ala Glu Pro Gly Thr Ile Ala Gly Val Ala Ser Ala Leu Ala
185 190 195
Met Ala Leu Ile Gly Ala Val Ser Ser Tyr Ile Ser Tyr Gln Gln
200 205 210
Lys Lys Phe Cys Phe Ser Ile Gln Gln Gly Leu Asn Ala Asp Tyr
215 220 225
Val Lys Gly Glu Asn Leu Glu Ala Val Val Cys Glu Glu Pro Gln
230 235 240
Val Lys Tyr Ser Thr Leu His Thr Gln Ser Ala Glu Pro Pro Pro
245 250 255
Pro Pro Glu Pro Ala Arg Ile
260

<210> 22
<211> 172
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2806595CD1

<400> 22
Met Gly Leu Leu Leu Leu Val Pro Leu Leu Leu Leu Pro Gly Ser
1 5 10 15
Tyr Gly Leu Pro Phe Tyr Asn Gly Phe Tyr Tyr Ser Asn Ser Ala
20 25 30
Asn Asp Gln Asn Leu Gly Asn Gly His Gly Lys Asp Leu Leu Asn
35 40 45
Gly Val Lys Leu Val Val Glu Thr Pro Glu Glu Thr Leu Phe Thr
50 55 60
Tyr Gln Gly Ala Ser Val Ile Leu Pro Cys Arg Tyr Arg Tyr Glu
65 70 75
Pro Ala Leu Val Ser Pro Arg Arg Val Arg Val Lys Trp Trp Lys
80 85 90
Leu Ser Glu Asn Gly Ala Pro Glu Lys Asp Val Leu Val Ala Ile
95 100 105
Gly Leu Arg His Arg Ser Phe Gly Asp Tyr Gln Gly Arg Val His
110 115 120
Leu Arg Gln Asp Lys Glu His Asp Val Ser Leu Glu Ile Gln Asp
125 130 135
Leu Arg Leu Glu Asp Tyr Gly Arg Tyr Arg Cys Glu Val Ile Asp
140 145 150

Gly Leu Glu Asp Glu Ser Gly Leu Val Glu Leu Glu Leu Arg Gly
155 160 165
Glu Met Leu Thr Gly Thr Gly
170

<210> 23
<211> 571
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2850987CD1

<400> 23
Met Thr Arg Ala Gly Asp His Asn Arg Gln Arg Gly Cys Cys Gly
1 5 10 15
Ser Leu Ala Asp Tyr Leu Thr Ser Ala Lys Phe Leu Leu Tyr Leu
20 25 30
Gly His Ser Leu Ser Thr Trp Gly Asp Arg Met Trp His Phe Ala
35 40 45
Val Ser Val Phe Leu Val Glu Leu Tyr Gly Asn Ser Leu Leu Leu
50 55 60
Thr Ala Val Tyr Gly Leu Val Val Ala Gly Ser Val Leu Val Leu
65 70 75
Gly Ala Ile Ile Gly Asp Trp Val Asp Lys Asn Ala Arg Leu Lys
80 85 90
Val Ala Gln Thr Ser Leu Val Val Gln Asn Val Ser Val Ile Leu
95 100 105
Cys Gly Ile Ile Leu Met Met Val Phe Leu His Lys His Glu Leu
110 115 120
Leu Thr Met Tyr His Gly Trp Val Leu Thr Ser Cys Tyr Ile Leu
125 130 135
Ile Ile Thr Ile Ala Asn Ile Ala Asn Leu Ala Ser Thr Ala Thr
140 145 150
Ala Ile Thr Ile Gln Arg Asp Trp Ile Val Val Val Ala Gly Glu
155 160 165
Asp Arg Ser Lys Leu Ala Asn Met Asn Ala Thr Ile Arg Arg Ile
170 175 180
Asp Gln Leu Thr Asn Ile Leu Ala Pro Met Ala Val Gly Gln Ile
185 190 195
Met Thr Phe Gly Ser Pro Val Ile Gly Cys Gly Phe Ile Ser Gly
200 205 210
Trp Asn Leu Val Ser Met Cys Val Glu Tyr Val Leu Leu Trp Lys
215 220 225
Val Tyr Gln Lys Thr Pro Ala Leu Ala Val Lys Ala Gly Leu Lys
230 235 240
Glu Glu Glu Thr Glu Leu Lys Gln Leu Asn Leu His Lys Asp Thr
245 250 255
Glu Pro Lys Pro Leu Glu Gly Thr His Leu Met Gly Val Lys Asp
260 265 270
Ser Asn Ile His Glu Leu Glu His Glu Gln Glu Pro Thr Cys Ala
275 280 285
Ser Gln Met Ala Glu Pro Phe Arg Thr Phe Arg Asp Gly Trp Val
290 295 300
Ser Tyr Tyr Asn Gln Pro Val Phe Leu Ala Gly Met Gly Leu Ala
305 310 315
Phe Leu Tyr Met Thr Val Leu Gly Phe Asp Cys Ile Thr Thr Gly
320 325 330
Tyr Ala Tyr Thr Gln Gly Leu Ser Gly Ser Ile Leu Ser Ile Leu
335 340 345
Met Gly Ala Ser Ala Ile Thr Gly Ile Met Gly Thr Val Ala Phe
350 355 360
Thr Trp Leu Arg Arg Lys Cys Gly Leu Val Arg Thr Gly Leu Ile
365 370 375
Ser Gly Leu Ala Gln Leu Ser Cys Leu Ile Leu Cys Val Ile Ser
380 385 390
Val Phe Met Pro Gly Ser Pro Leu Asp Leu Ser Val Ser Pro Phe

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                395                 400                 405
Glu Asp Ile Arg Ser Arg Phe Ile Gln Gly Glu Ser Ile Thr Pro
                410                 415                 420
Thr Lys Ile Pro Glu Ile Thr Thr Glu Ile Tyr Met Ser Asn Gly
                425                 430                 435
Ser Asn Ser Ala Asn Ile Val Pro Glu Thr Ser Pro Glu Ser Val
                440                 445                 450
Pro Ile Ile Ser Val Ser Leu Leu Phe Ala Gly Val Ile Ala Ala
                455                 460                 465
Arg Ile Gly Leu Trp Ser Phe Asp Leu Thr Val Thr Gln Leu Leu
                470                 475                 480
Gln Glu Asn Val Ile Glu Ser Glu Arg Gly Ile Ile Asn Gly Val
                485                 490                 495
Gln Asn Ser Met Asn Tyr Leu Leu Asp Leu Leu His Phe Ile Met
                500                 505                 510
Val Ile Leu Ala Pro Asn Pro Glu Ala Phe Gly Leu Leu Val Leu
                515                 520                 525
Ile Ser Val Ser Phe Val Ala Met Gly His Ile Met Tyr Phe Arg
                530                 535                 540
Phe Ala Gln Asn Thr Leu Gly Asn Lys Leu Phe Ala Cys Gly Pro
                545                 550                 555
Asp Ala Lys Glu Val Arg Lys Glu Asn Gln Ala Asn Thr Ser Val
                560                 565                 570
Val
<210> 24
<211> 455
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3557211CD1

<400> 24
Met Asp Pro Thr Gly Asn Ser Ala Thr Pro Gln Ile Leu Glu Leu
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Lys Trp Ser His Ile Glu Trp Ser Gln Thr Glu Tyr Ile Cys Glu
                 20                  25                  30
Asn Val Gly Leu Leu Pro Leu Glu Ile Ile Arg Arg Gly Tyr Ser
                 35                  40                  45
Met Asp Ser Ala Phe Val Gly Ile Lys Val Asn Gln Val Ser Ala
                 50                  55                  60
Ala Val Gly Lys Asp Phe Thr Val Ile Pro Ser Lys Leu Ile Gln
                 65                  70                  75
Phe Asp Pro Gly Met Ser Thr Lys Met Trp Asn Ile Ala Ile Thr
                 80                  85                  90
Tyr Asp Gly Leu Glu Glu Asp Asp Glu Val Phe Glu Val Ile Leu
                 95                 100                 105
Asn Ser Pro Val Asn Ala Val Leu Gly Thr Lys Thr Lys Ala Ala
                110                 115                 120
Val Lys Ile Leu Asp Ser Lys Gly Gly Gln Cys His Pro Ser Tyr
                125                 130                 135
Ser Ser Asn Gln Ser Lys His Ser Thr Trp Glu Lys Gly Ile Trp
                140                 145                 150
His Leu Leu Pro Pro Gly Ser Ser Ser Ser Thr Thr Ser Gly Ser
                155                 160                 165
Phe His Leu Glu Arg Arg Pro Leu Pro Ser Ser Met Gln Leu Ala
                170                 175                 180
Val Ile Arg Gly Asp Thr Leu Arg Gly Phe Asp Ser Thr Asp Leu
                185                 190                 195
Ser Gln Arg Lys Leu Arg Thr Arg Gly Asn Gly Lys Thr Val Arg
                200                 205                 210
Pro Ser Ser Val Tyr Arg Asn Gly Thr Asp Ile Ile Tyr Asn Tyr
                215                 220                 225
His Gly Ile Val Ser Leu Lys Leu Glu Asp Asp Ser Phe Pro Thr
                230                 235                 240
His Lys Arg Lys Ala Lys Val Ser Ile Ile Ser Gln Pro Gln Lys
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                245                 250                 255
Thr Ile Lys Val Ala Glu Leu Pro Gln Ala Asp Lys Val Glu Ser
                260                 265                 270
Thr Thr Asp Ser His Phe Pro Arg Gln Asp Gln Leu Pro Ser Phe
                275                 280                 285
Pro Lys Asn Cys Thr Leu Glu Leu Lys Gly Leu Phe His Phe Glu
                290                 295                 300
Glu Gly Ile Gln Lys Leu Tyr Gln Cys Asn Gly Ile Ala Trp Lys
                305                 310                 315
Ala Trp Ser Pro Gln Thr Lys Asp Val Glu Asp Lys Ser Cys Pro
                320                 325                 330
Ala Gly Trp His Gln His Ser Gly Tyr Cys His Ile Leu Ile Thr
                335                 340                 345
Glu Gln Lys Gly Thr Trp Asn Ala Ala Ala Gln Ala Cys Arg Glu
                350                 355                 360
Gln Tyr Leu Gly Asn Leu Val Thr Val Phe Ser Arg Gln His Met
                365                 370                 375
Arg Trp Leu Trp Asp Ile Gly Gly Arg Lys Ser Phe Trp Ile Gly
                380                 385                 390
Leu Asn Asp Gln Val His Ala Gly His Trp Glu Trp Ile Gly Gly
                395                 400                 405
Glu Pro Val Ala Phe Thr Asn Gly Arg Arg Gly Pro Ser Pro Arg
                410                 415                 420
Ser Lys Leu Gly Lys Ser Cys Val Leu Val Gln Arg Gln Gly Lys
                425                 430                 435
Trp Gln Thr Lys Asp Cys Arg Arg Ala Lys Pro His Asn Tyr Val
                440                 445                 450
Cys Ser Arg Lys Leu
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<210> 25
<211> 437
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4675668CD1

<400> 25
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His Ala Pro Leu Ala Asp Gln Ile Leu Ala Gly Asn Ala Val Arg
                20                  25                  30
Ala Gly Val Arg Glu Lys Arg Arg Gly Arg Gly Thr Gly Glu Ala
                35                  40                  45
Glu Glu Glu Tyr Val Gly Pro Arg Leu Ser Arg Arg Ile Leu Gln
                50                  55                  60
Gln Ala Arg Gln Gln Gln Glu Glu Leu Glu Ala Glu His Gly Thr
                65                  70                  75
Gly Asp Lys Pro Ala Ala Pro Arg Glu Arg Thr Thr Arg Leu Gly
                80                  85                  90
Pro Arg Met Pro Gln Asp Gly Ser Asp Asp Glu Asp Glu Glu Trp
                95                 100                 105
Pro Thr Leu Glu Lys Ala Ala Thr Met Thr Ala Ala Gly His His
               110                 115                 120
Ala Glu Val Val Val Asp Pro Glu Asp Glu Arg Ala Ile Glu Met
               125                 130                 135
Phe Met Asn Lys Asn Pro Pro Ala Arg Arg Thr Leu Ala Asp Ile
               140                 145                 150
Ile Met Glu Lys Leu Thr Glu Lys Gln Thr Glu Val Glu Thr Val
               155                 160                 165
Met Ser Glu Val Ser Gly Phe Pro Met Pro Gln Leu Asp Pro Arg
               170                 175                 180
Val Leu Glu Val Tyr Arg Gly Val Arg Glu Val Leu Ser Lys Tyr
               185                 190                 195
Arg Ser Gly Lys Leu Pro Lys Ala Phe Lys Ile Ile Pro Ala Leu
               200                 205                 210
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Ser Asn Trp Glu Gln Ile Leu Tyr Val Thr Glu Pro Glu Ala Trp
                215                 220                 225
Thr Ala Ala Ala Met Tyr Gln Ala Thr Arg Ile Phe Ala Ser Asn
                230                 235                 240
Leu Lys Glu Arg Met Ala Gln Arg Phe Tyr Asn Leu Val Leu Leu
                245                 250                 255
Pro Arg Val Arg Asp Asp Val Ala Glu Tyr Lys Arg Leu Asn Phe
                260                 265                 270
His Leu Tyr Met Ala Leu Lys Lys Ala Leu Phe Lys Pro Gly Ala
                275                 280                 285
Trp Phe Lys Gly Ile Leu Ile Pro Leu Cys Glu Ser Gly Thr Cys
                290                 295                 300
Thr Leu Arg Glu Ala Ile Ile Val Gly Ser Ile Ile Thr Lys Cys
                305                 310                 315
Ser Ile Pro Val Leu His Ser Ser Ala Ala Met Leu Lys Ile Ala
                320                 325                 330
Glu Met Glu Tyr Ser Gly Ala Asn Ser Ile Phe Leu Arg Leu Leu
                335                 340                 345
Leu Asp Lys Lys Tyr Ala Leu Pro Tyr Arg Val Leu Asp Ala Leu
                350                 355                 360
Val Phe His Phe Leu Gly Phe Arg Thr Glu Lys Arg Glu Leu Pro
                365                 370                 375
Val Leu Trp His Gln Cys Leu Leu Thr Leu Val Gln Arg Tyr Lys
                380                 385                 390
Ala Asp Leu Ala Thr Asp Gln Lys Glu Ala Leu Leu Glu Leu Leu
                395                 400                 405
Arg Leu Gln Pro His Pro Gln Leu Ser Pro Glu Ile Arg Arg Glu
                410                 415                 420
Leu Gln Ser Ala Val Pro Arg Asp Val Glu Asp Val Pro Ile Thr
                425                 430                 435
Val Glu
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<210> 26
<211> 2893
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 398269CB1

<400> 26

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tcaggcccga gatagcggcg aggtccgctt tcagtgtatg gttttccctg ccaaacggtt 180
ctgcttggtg ccatccatgg agggcgtgcg ctgggccttt tcctgcggca cttggctgcc 240
gagccgagcc gaatggctgc tggcagtgcg atcgattcag cccgaggaga aggagcgcat 300
tggccagttc gtctttgccc gggacgctaa ggcagccatg gctggtcgtc tgatgataag 360
gaaattagtt gcagagaaat tgaatatccc ttggaatcat attcgtttgc aaagaactgc 420
aaaaggaaaa ccagttcttg caaaggactc atcgaatcct tacccgaatt tcaactttaa 480
catctctcat caaggagact atgcagtgct tgctgctgaa cctgagctgc aagttggaat 540
tgatataatg aagactagtt ttccaggtcg tggttcaatt ccagaattct ttcatattat 600
gaaaagaaag tttaccaaca aagaatggga aacaatcaga agctttaagg atgagtggac 660
tcagctggat atgttttata ggaattgggc acttaaggaa agcttcataa aagccattgg 720
tgttggacta ggatttgaat tgcagcggct tgaatttgat ctatctccat taaacttgga 780
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ggcatttgag gaaagcaaaa tagatgagca ccatttttgtt gcagttgctc ttaggaaacc 900
cgatggatct agacatcagg atgttccatc tcaggatgat tccaaaccaa cccagaggca 960
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cagaaacttt tccaattaaa aaaaaaaagc agacttctgg ttcaagatag ctcactggaa 1260
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ttaaagtgat acatgctaac tgtagaaaaa aatagaaaat gcacataagc aaaaggaaac 1380
atttaaatgc tatctttcaa agataactac tcttaaaacc ttgagtatct tttcagacct 1440
ttttcttggc aaatgaatcc atattgacat atttgatttt tttaaaaaca tggaaacgta 1500
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ctgttttgta aattcttttt aactgcacat ctactgttca taaatatacc tctgtaacat 1560
aacttttgt ggttctaatg tactctgttg tatagctaat acaagttagg atgcttttgg 1620
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tgttatgtca gtattgttat tggcttttcg tattcctctt aacgtgaacc gtctgttcat 2460
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atgtttttt ttttatttta ttaagcatgc ccagttatgc caagcatagt aaataaaggt 2760
caagtagcat ttataataga ggaagtattg ttatccctag catgagtgta atggtgatat 2820
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aaaaaaaaaa aaa 2893

<210> 27
<211> 2276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1258888CB1

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ctgtgaagct acatgcgaac ctggatgtaa gtttggtgag tgcgtgggac caaacaaatg 360
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gaaaccccgg ccatgccaac acagatgtgt gaatacacac ggaagctaca agtgcttttg 480
cctcagtggc cacatgctca tgccagatgc tacgtgtgtg aactctagga catgtgccat 540
gataaactgt cagtacagct gtgaagacac agaagaaggg ccacagtgcc tgtgtccatc 600
ctcaggactc cgcctggccc caaatggaag agactgtcta gatattgatg aatgtgcctc 660
tggtaaagtc atctgtccct acaatcgaag atgtgtgaac acatttggaa gctactactg 720
caaatgtcac attggtttcg aactgcaata tatcagtgga cgatatgact gtatagatat 780
aaatgaatgt actatggata gccatacgtg cagccaccat gccaattgct tcaataccca 840
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tatccctgaa aattctgtga aggaagtcct cagagcacct ggtaccatca aagacagaat 960
caagaagttg cttgctcaca aaaacagcat gaaaaagaag gcaaaaatta aaaatgttac 1020
cccagaaccc accaggactc ctacccctaa ggtgaacttg cagcccttca actatgaaga 1080
gatagtttcc agaggcggga actctcatgg aggtaaaaaa gggaatgaag agaaaatgaa 1140
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<223> a, t, c, g, or other

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<213> Homo sapiens

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<211> 2641
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 4586187CB1

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<212> DNA
<213> Homo sapiens

<220>
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<213> Homo sapiens

<220>
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<211> 670
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 2365794CB1

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<211> 2364
<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 2618452CB1

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<213> Homo sapiens

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<221> misc_feature
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<210> 47
<211> 1236

<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 2806595CB1

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